

70 Human Secreted Proteins

Cross Reference To Related Applications

5 This application is a continuation of International Application No. PCT/US02/05301, filed February 21, 2002, which in turn claims benefit under 35 U.S.C. §119(e) based on U.S. Provisional Application Nos. 60/270,625 and 60/304,417, filed February 23, 2001 and July 12, 2001, respectively; each of the above applications are hereby incorporated by reference in their entireties.

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Field of the Invention

The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and 15 antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for 20 identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

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Background of the Invention

Unlike bacterium, which exist as a single compartment surrounded by a membrane, human cells and other eukaryotes are subdivided by membranes into many functionally distinct compartments. Each membrane-bounded compartment, or organelle, 30 contains different proteins essential for the function of the organelle. The cell uses “sorting signals,” which are amino acid motifs located within the protein, to target proteins to particular cellular organelles.

One type of sorting signal, called a signal sequence, a signal peptide, or a leader sequence, directs a class of proteins to an organelle called the endoplasmic reticulum